



Binary 0101

LAURA ESTES

Instrumentation

Part A

C Instruments	3
(Suggested use: Flute, Violin, Guitar)	
C Instruments	3
(Suggested use: Oboe, Violin, Guitar)	
Bb Instruments	3
(Suggested use: Bb Clarinet, Bb Trumpet)	
Eb Instruments	3
(Suggested use: Alto Saxophone)	

Part B

C Instruments	3
(Suggested use: *Oboe, Violin, Guitar)	
Bb Instruments	3
(Suggested use: Bb Clarinet, Bb Trumpet)	
Eb Instruments	3
(Suggested use: Alto Saxophone)	

Part C

C Instruments	3
(Suggested use: Violin, Guitar)	
C Instruments (Alto Clef)	2
(Suggested use: Viola)	
Bb Instruments	3
(Suggested use: Bb Clarinet, Bb Trumpet, *Tenor Saxophone)	
Eb Instruments	3
(Suggested use: Alto Saxophone, *Baritone Saxophone)	
F Instruments	3
(Suggested use: Horn in F)	

Part D

C Instruments	3
(Suggested use: Trombone, Euphonium, Bassoon, Cello, String Bass)	
Bb Instruments	3
(Suggested use: Bass Clarinet, Tenor Saxophone, Baritone T.C.)	
Eb Instruments	3
(Suggested use: Baritone Saxophone, Eb Contra Alto Clarinet)	
F Instruments	3
(Suggested use: Horn in F)	

Part E

C Instruments	3
(Suggested use: Trombone, Euphonium, Bassoon, Cello, String Bass)	
Bb Instruments	3
(Suggested use: Bass Clarinet, Tenor Saxophone, Baritone T.C.)	
Eb Instruments	3
(Suggested use: Baritone Saxophone, Eb Contra Alto Clarinet)	
C Instruments (Low)	3
(Suggested use: Tuba)	

Percussion

Timpani	2
Mallets	2
(Xylophone, Bells)	
Percussion 1	2
(Snare Drum, Bass Drum)	
Percussion 2	4
(Crash Cymbals, Tom-tom, Woodblock, Shaker)	
Piano	1

* This part can be used with this instrument but is not ideal

ABOUT THE COMPOSER



Laura Estes taught middle and high school band for 36 years before retiring in 2018 from the Cobb County School System (GA). Upon retirement she began composing, and her first piece *Kvetchers (Surprises in Controversial Time)* was accepted for publication in Excelcia's 2020 catalog. In addition to her music being performed at The Midwest Clinic in Chicago, Estes' concert works have been selected for the J.W. Pepper Editor's Choice List as well as being named Five Star Features from Stanton's Sheet Music. With her composition *Walking on Air*, Estes was named the winner of the 2021 Women Band Directors International (WBDI) Composition Competition.

Throughout Estes' career, her bands consistently earned Superior ratings at performance evaluations, and she was awarded the National Band Association's Citation of Excellence as her middle and high school bands were selected to perform at clinics in the Southeast.

A South Florida native, Estes earned her Bachelor's Degree in Music Education from The Florida State University and her Master's Degree in Music Education from Georgia State University. In addition to composing, Estes continues to serve as an adjudicator, guest conductor, clinician, and mentor. Estes and her husband Gil reside in Marietta, GA, and have 5 amazing children: Adrienne, April, Eric, Daniel, and Michelle.

BINARY 0101

Fun Fact: There is an actual counting system that uses only 2 digits as its base, or base-2. Utilized by computers and other electronic devices to store data and perform computations, this binary number system is composed of only two numbers - zero and one. With roots going as far back as 2400 BCE Egypt and third century BCE China, the binary digit system was invented by mathematician Gottfried Wilhelm Leibniz in the 17th century. This led to the invention of electric circuitry and eventually the first computer ENIAC (Electronic Numerical Integrator and Computer). "0101" in binary code represents the number 5, and since this piece is a level 0.5, the title *Binary 0101* was born!

Creatively using only 6 notes, *Binary 0101* was written as a fun piece for young band students approaching their initial set of concerts as new musicians. Set in a minor key, *Binary 0101* is accessible in the first year of band instruction and beyond. Students will shine when it is their turn to play the melody and percussionists will enjoy the use of "toys" to make the music special. With a fun, rhythmic clapping section in the middle of the piece, there are no long extended rests - every student will be busy and engaged from start to finish!

I hope your students enjoy playing *Binary 0101* as much as I enjoyed writing it. Here's to happy music-making!

DEDICATION AND THANK YOU

With much love, *Binary 0101* is dedicated to my husband Gil, who in addition to being a professional trombonist, is a computer software engineer who lives and breathes this base-2 binary system. Thank you for the clever title and for patiently explaining the binary system to me (more than once).



excelciamusic.com/laura-estes



[excelciamusicpublishing](https://www.youtube.com/excelciamusicpublishing)

Recordings are available on all major streaming services.

Part A Allegro ♩ = 142

C Instruments (High) 4 f

C Instruments 4 f

B♭ Instruments 4 f

E♭ Instruments f

Part B

C Instruments f

B♭ Instruments f

E♭ Instruments f

Part C

C Instruments (Violin, Guitar) 4 f

C Instruments (Viola) 4 f

B♭ Instruments 4 f

E♭ Instruments f

F Instruments f

Part D

C Instruments/ E♭ Instruments Allegro ♩ = 142 f

B♭ Instruments f

F Instruments f

Part E

C Instruments/ E♭ Instruments f

B♭ Instruments f

C Instruments (Low) 4 f

Timpani (B♭, C) 4 f

Xylophone f

Mallets (Xylophone, Bells) f

Percussion 1 (Snare Drum, Bass Drum) f

Percussion 2 (Crash Cymbals, Tom-tom, Woodblock, Shaker) f

Piano f

9

13

Pt. C

Pt. D

13

[illegible]

Pt. A

C Inst. (High)

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

Pt. B

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

Pt. C

C Inst.

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

F Inst.

Pt. D

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

F Inst.

Pt. E

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

C Inst.
(Low)

Timp.

Mal.

Perc. 1

Perc. 2

Pno.

Pt. A

22

Hand Clap

C Inst.
(High)

C Inst.

B> Inst.

E> Inst.

Pt. B

C Inst.

B> Inst.

E> Inst.

Pt. C

C Inst.

C Inst.

B> Inst.

E> Inst.

F Inst.

Pt. D

22

Hand Clap

C Inst./
E> Inst.

B> Inst.

F Inst.

Pt. E

C Inst./
E> Inst.

B> Inst.

C Inst.
(Low)

Timp.

Mal.

Perc. 1

Perc. 2

Pno.

26

Play

Pt. A

C Inst. (High)

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

34

mf

Pt. B

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

mf

Pt. C

C Inst.

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

F Inst.

mf

Pt. D

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

F Inst.

34 Play

mp
Play

mp
Play

mp
Play

Pt. E

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

C Inst. (Low)

Timp.

Mal.

Perc. 1

Perc. 2

Pno.

To Bells

mp
Bells

mf

mp
W.B.

mp

mf

Pt. A

C Inst. (High)

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

mf

Pt. B

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

mf

Pt. C

C Inst.

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

F Inst.

mf

Pt. D

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

F Inst.

mf

Pt. E

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

C Inst. (Low)

mf

Timp.

Mal.

Perc. 1

Perc. 2

Tom-tom

Pno.

mf

46

Pt. B

Pt. C

Pt. D

Pt. E

This musical score is for the instrumental introduction of "The Sound of Silence" by Simon & Garfunkel. It is written for a piano and a variety of percussion instruments. The key signature is B-flat major (two flats), and the time signature is 4/4. The score is divided into two systems. The first system includes staves for C Instrument/Electric Instrument, B Instrument, C Instrument (Low), Timpani, Mallets, Percussion 1, Percussion 2, and Piano. The second system continues the Piano part. The percussion parts are specifically marked for Cr. Cym., Stick-click, To Xyl., On Rim, and ch. The piano part features a prominent melody in the right hand and a supporting bass line in the left hand. Dynamics range from *f* (forte) to *mf* (mezzo-forte), with crescendos indicated throughout. A large "Excerpt" watermark is visible across the top of the score.

Pt. A

54

C Inst. (High)

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

Pt. B

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

Pt. C

C Inst.

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

F Inst.

Pt. D

54

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

F Inst.

Pt. E

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

C Inst. (Low)

Timp.

Mal.

Perc. 1

Perc. 2

Pno.

Pt. A

C Inst. (High)

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

ff

Pt. B

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

ff

Pt. C

C Inst.

C Inst.

B $\flat$ Inst.

E $\flat$ Inst.

F Inst.

ff

Pt. D

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

F Inst.

ff

Pt. E

C Inst./
E $\flat$ Inst.

B $\flat$ Inst.

C Inst. (Low)

ff

Timp.

Mal.

Perc. 1

Perc. 2

Pno.

ff

Solo

ch.

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